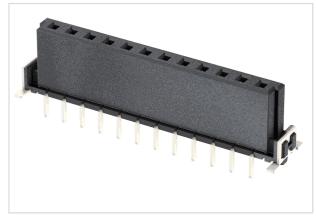


## har-flex str. P F 9.05 12P THR PL1 200pc



Part number	15 62 012 2701 000
Specification	har-flex str. P F 9.05 12P THR PL1 200pc
HARTING eCatalogue	https://b2b.harting.com/15620122701000

Image is for illustration purposes only. Please refer to product description.

#### Identification

Category	Connectors
Series	har-flex <sup>®</sup>
Identification	Power
Element	Female connector
Description of the contact	Straight
Features	Termination method of hold downs: SMT

#### Version

Termination method	Reflow soldering termination (THR)
Connection type	Motherboard to daughtercard Mezzanine
Number of contacts	12
Performance level	1
Details	According to IEC 61984, it is an unencapsulated connector. Protection against electric shock must be ensured by the type of installation by the user.
Pack contents	200 pieces on reel

#### **Technical characteristics**

Contact spacing (mating side)	2.54 mm
Stacking height	9.05 mm
Rated voltage	180 V
Rated voltage	acc. to IEC 60664-1
Rated impulse voltage	1.5 kV
Pollution degree	2

Page 1 / 3 | Creation date 2020-10-20 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application. HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com



#### **Technical characteristics**

Clearance distance	≥0.94 mm
Creepage distance	≥0.94 mm PCB ≥1.89 mm Connector
Insulation resistance	>10 <sup>10</sup> Ω
Contact resistance	≤25 mΩ
Limiting temperature	-55 +125 °C
Mating cycles	≥500
Test voltage U <sub>r.m.s.</sub>	0.84 kV
Isolation group	Illa (175 ≤ CTI < 400)
Moisture Sensitivity Level (MSL)	1 acc. to ECA/IPC/JEDEC J-STD-020D
Process Sensitivity Level (PSL)	R0 acc. to ECA/IPC/JEDEC J-STD-020D
Coplanarity of contacts	0.1 mm

#### Material properties

Material (insert)	Liquid crystal polymer (LCP)
Colour (insert)	Black
Material (contacts)	Copper alloy
Surface (contacts)	Au over Pd/Ni Mating side
	Tin plated Termination side
Material flammability class acc. to UL 94	V-0

### Commercial data

Packaging size	1
Country of origin	China
European customs tariff number	85366990
eCl@ss	27460201 PCB connector (board connector)

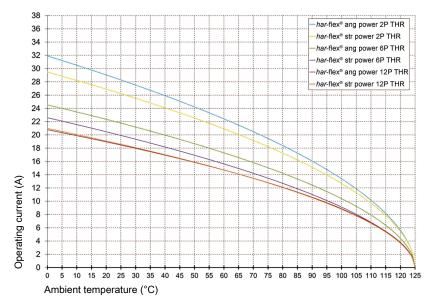
Page 2 / 3 | Creation date 2020-10-20 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application. HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com Product data sheet 15 62 012 2701 000 har-flex str. P F 9.05 12P THR PL1 200pc



#### Current carrying capacity

The current carrying capacity of the connectors is limited by the thermal load capability of the contact element material including the connections and the insulating parts. The derating curve is therefore valid for currents which flow constantly (nonintermittent) through each contact element of the connector evenly, without exceeding the allowed maximum temperature.

Measuring and testing techniques acc. to IEC 60512-5-2



Derating curve 80%

Page 3 / 3 | Creation date 2020-10-20 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application. HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com

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